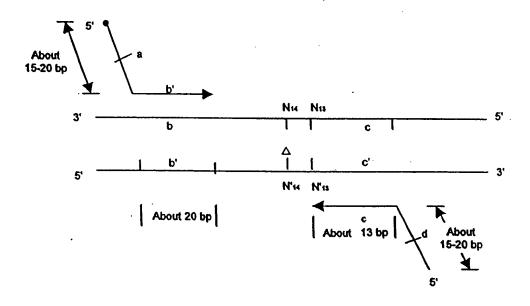
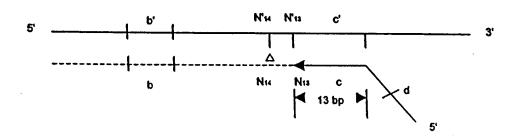
FIG. 1A



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FIG. 1B



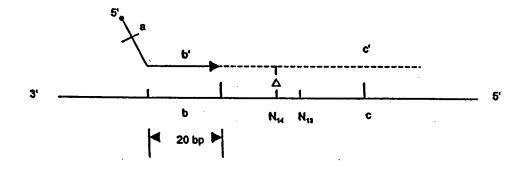
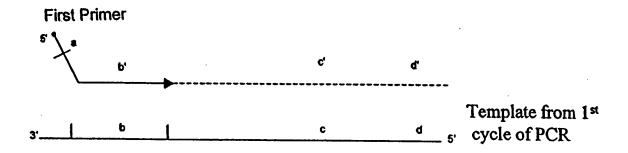
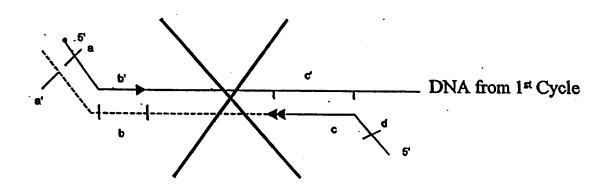


FIG. 1C





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FIG. 1D

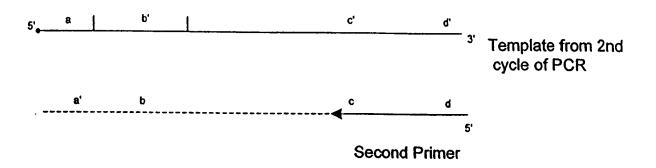


FIG. 1E

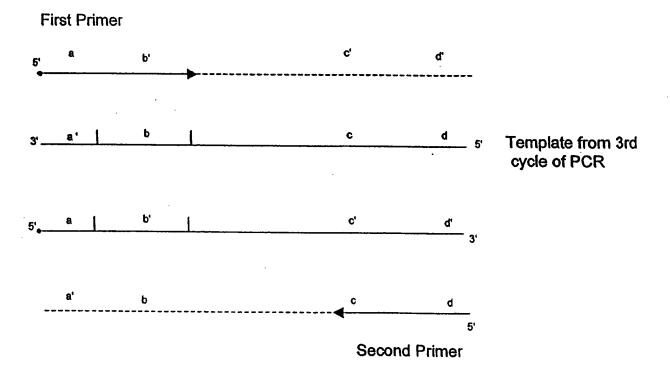
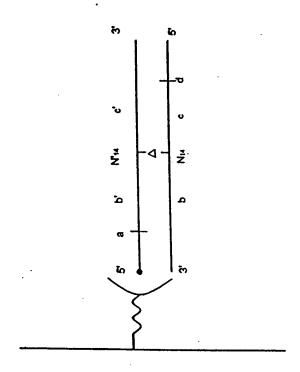


FIG. 1F



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FIG. 1G

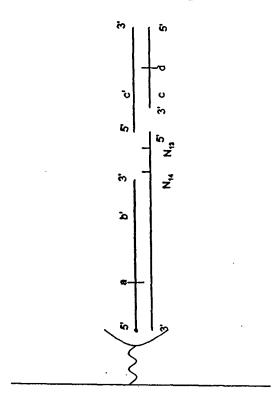


FIG. 1H

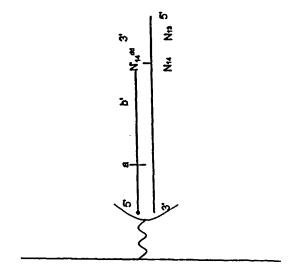
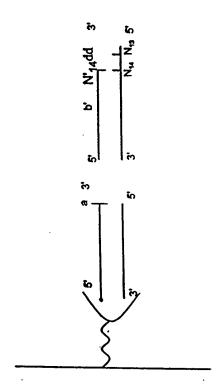


FIG. 1I



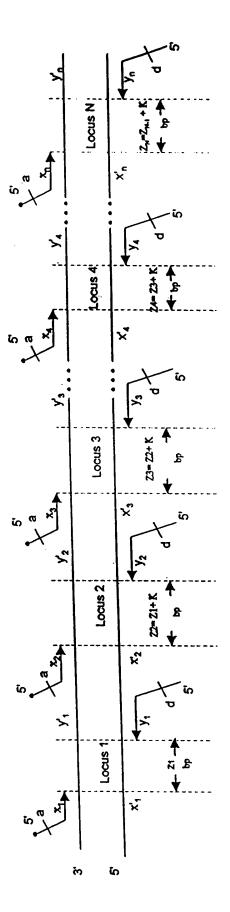
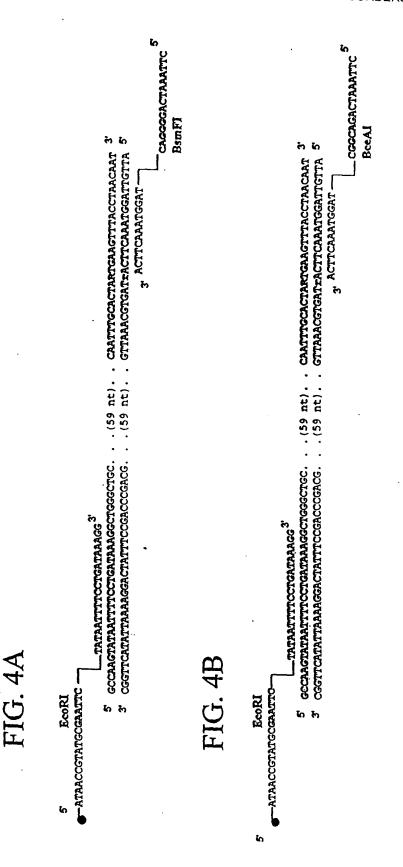
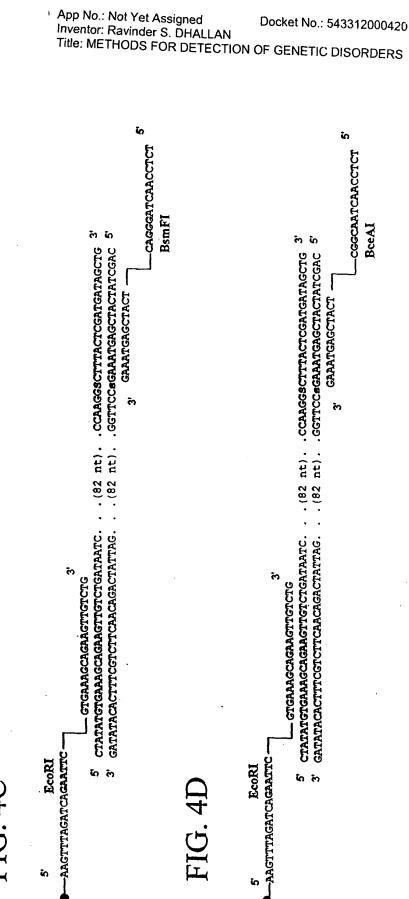
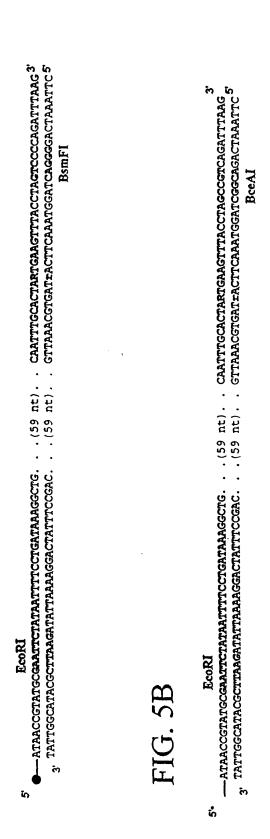


FIG. 3C	1 2 3 4	46°C	65°C	72°C
FIG. 3B	1 2 3 4	40°C	2.09	67°C
FIG. 3A	le M 1 2 3 4	Annealing Temp. 1st Cycle (TM1) 37°C	Annealing Temp. 2nd Cycle (TM2) 57°C	Annealing Temp. 3rd Cycle (TM3) 64°C
10/33	Lane	Annealing Te	Annealing Te	Annealing Te

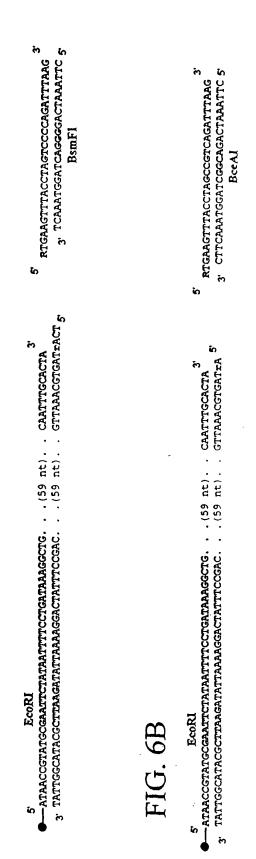








<ul> <li>P—AAGITIAGAICAGAAATGCAGAAGITGTCTGAIAAIC.</li> <li>(82 nt).</li> <li>GGTICCSGAAATGAGCACTITCGACTIATTAGACTATTAG.</li> <li>(82 nt).</li> <li>GGTICCSGAAATGAGCACTIATCGACTIATTAGACTATTAGACTATTAGACTACTAGAGCTACTCAGGGAATAGCACTAATGAGCAATAGCACTAATGAGAATAGCACTAATGAGAATAGCACTAATGAGAATAGCACTAATGAGAATAGCACTAAGAATAGCACTAATGAGAATAGCACTAAGAATAGCACTAAGAATAGAATAGCACTAAGAATAGAATAGCACTAAGAATAGAATAGCACTAAGAATAGAAATAGAAATAGAAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATAGAATA</li></ul>	.(82 nt). .(82 nt).	.ccaaggsctttactcgatgagtccttatcgtgat 3' .ggttccsgaaatgagctactcagggaatagcacta 5' BsmFI	*. *.
FIG. 5D			
EcoRI  AAGITIAGAICAGAAATRGGGGAAGTIGICIGAIAAIC (82 nt) CCAAGGSCITTACTCGAIGAGCGTITATCGIGAT  3. TICAAAICIAGACTGGAAAGTTCGICTTCAACAGACTAITAG (82 nt) GGTICCSGAAAIGAGCTACTCGGGAAAAAAAAAAAAAAAAAAAAAAA	. (82 nt). . (82 nt).	.(82 nt)CCAAGGSCTTTACTCGATGAGCCGTTTATCGTGAT 3.	in in



INE: METHODS F	· OR DETECTION
5 scittactcatga <del>ctccttatcgtai 3</del> 3. Atgactactc <b>aggaatagcacta 5</b> BsmFl	
ď	
3. . ccaagg . ggttccægaa	
(82 nt). (82 nt).	
3. AAGITTAGATCAGAATTCGIGAAAGCAGAAGTTGTCTGATAATC (82 nt) CCAAGG TTCAAATCTAGTCTTAAGACTTTCGTCTTCAACAGACTATTAG (82 nt) GGTTCCAGAA	FIG. 6D

Beori ——Aagittagaicagaaatogigaaagcagaagtigichgataatc. . . (82 nt). . ccaagg \_\_\_ ttcaaaictagicttaagcactticgicticaacagactataag. . . (82 nt). . . ggitcseg <sub>5</sub> EcoRI 'n

SCTTTACTCGATGAGCCGTTTATCGTGAT 3'
3' AAATGAGCTACTCGGCAAATAGCACTA 5'





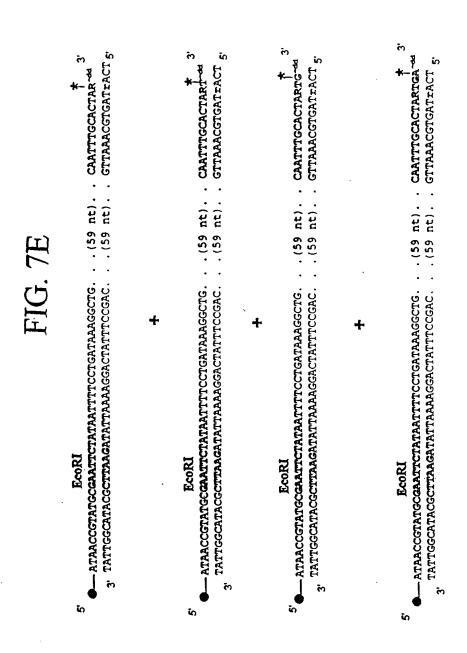
App No.: Not Yet Assigned Docket No.: 543312000420 Inventor: Ravinder S. DHALLAN Title: METHODS FOR DETECTION OF GENETIC DISORDERS

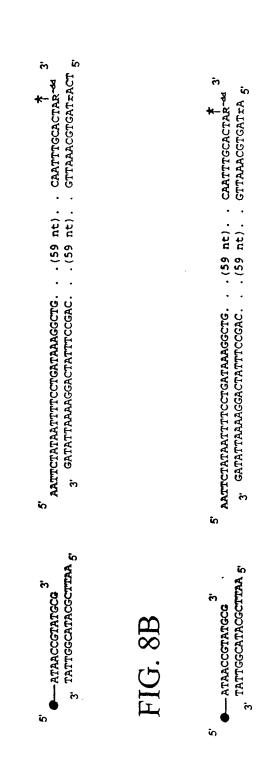
-AAGTITAGAICAGAAITCGIGAAAGCAGAAGTIGICIGAIAAIC. . . (82 nt). . CCAAGGS-44 TICAAAICIAGICITAAGCACIIIICGICITCAACAGACIAITAG. . . (82 nt). . GGIICCSGAA S. ——AAGTITAGAICAGAAITGGIGAAAGCAGAAGITGTCIGAIAAIC. EcoRI 'n

'n

TICAAATCTAGTCTTAAGCACTTTCGTCTTCAACACTATTAG. . . (82 nt). . . GGTTCC36 5. EcoRI

Title: METHODS FOR DETECTION OF GENETIC DISORDERS





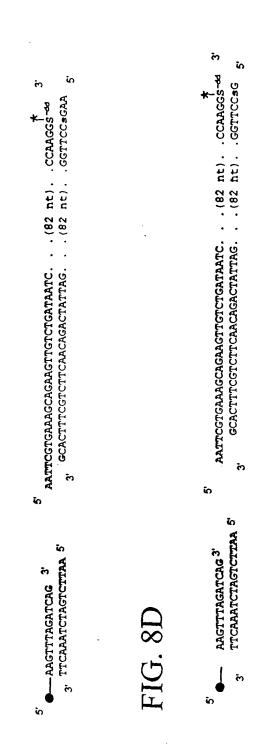
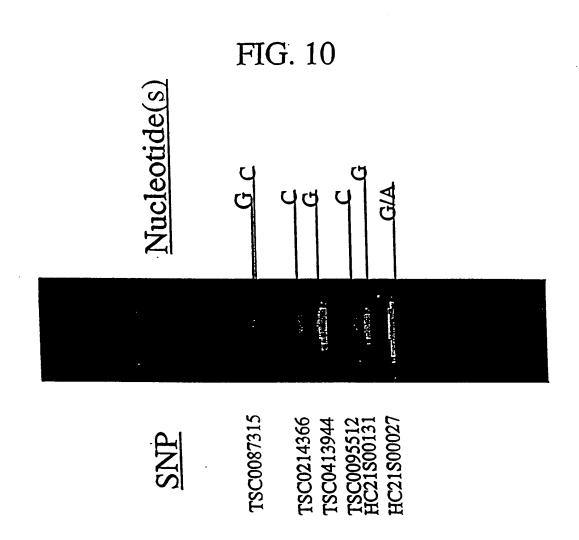
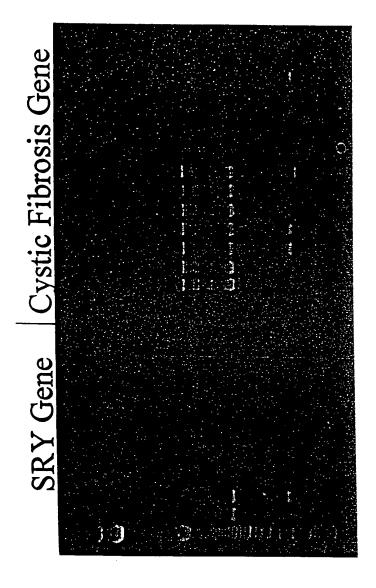


FIG. 9C   FIG. 9D	B AGA IB)			HC21S00027	BsmF I	3'A 1014 cut T r ACT 5'	3T 11/15 cut AT r AC 5'	G/A	
FIG. 9C			G A T C	TSC0264580	BsmF I	3' T 10/14 cut A r CCC 5'	3'A 11/15 cut T A r CC 5'	A/C	
FIG. 9B			G A T C	TSC0095512	BsmF I		3' G C s GAA 5'		2/9
<u></u>	े के किया के किया है जिल्ला के किया है जिल्ला के किया है जिल्ला के किया है जिल्ला है जो जो जो जिल्ला है जो जिल्ला है जो		GATC	TSC0095512	BceA I		3, G C s G 5,		G/C
FIG. 9A	F		G A T C	HC21S00027	BceA I		3'A ⊤rA5'	G/A	
		•	Nucleotides	SNP	Restriction enzyme site on second primer		.5' Overhang	α	S

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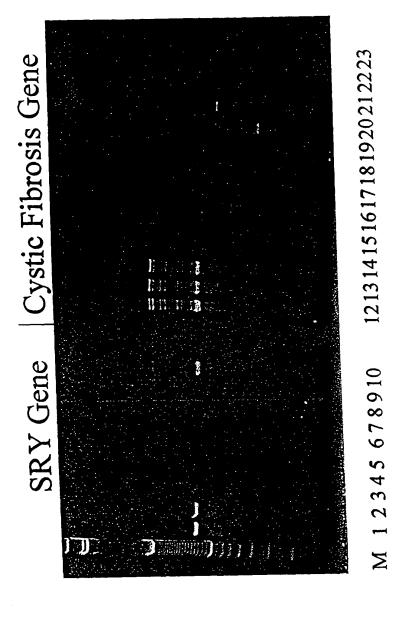


App No.: Not Yet Assigned Docket No.: 543312000420 Inventor: Ravinder S. DHALLAN Title: METHODS FOR DETECTION OF GENETIC DISORDERS



3 4 5 M 12

121314151617181920212223 678910 App No.: Not Yet Assigned Inventor: Ravinder S. DHALLAN



App No.: Not Yet Assigned Docket No.: 543312000420 Inventor: Ravinder S. DHALLAN Title: METHODS FOR DETECTION OF GENETIC DISORDERS

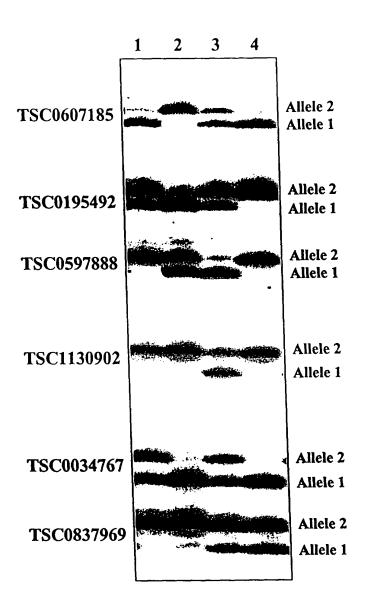
## FIGURE 12

- 12 OIW 12	_			
	13	TSC0200347	TC	50:49
	13	TSC0198557	TC	49:51
	13	ss813773	AC	46:54
	21	TSC0309610	TC	66:33
	21	TSC 0115603	TA	36:63
	Chromosome	SNP	Nucleotide	Nucleotide Ratio

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Inventor: Ravinder S. DHALLAN

FIG. 13

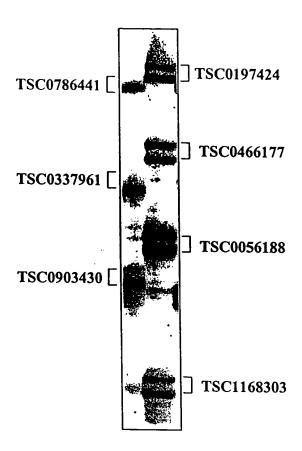


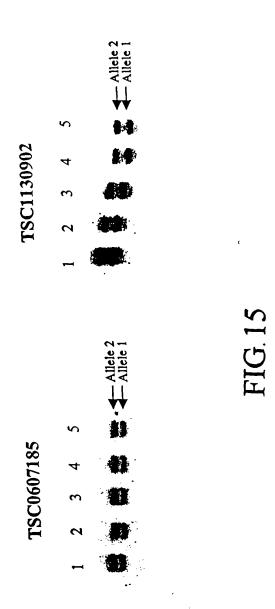
App No.: Not Yet Assigned Inventor: Ravinder S. DHALLAN

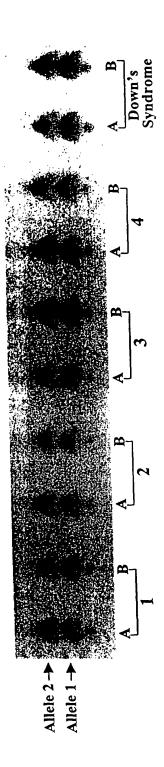
Title: METHODS FOR DETECTION OF GENETIC DISORDERS

Docket No.: 543312000420

FIG. 14



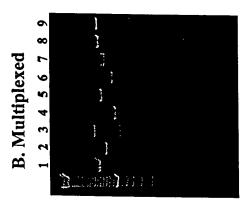




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C. 3:1 (Down's:Normal)





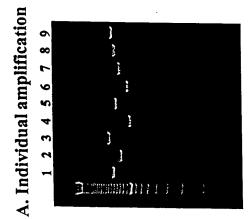




FIG. 20

